Supporting Information

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Title: "Effects of Single Metal-Ion Doping on the Visible-Light Photo-reactivity of TiO_2"
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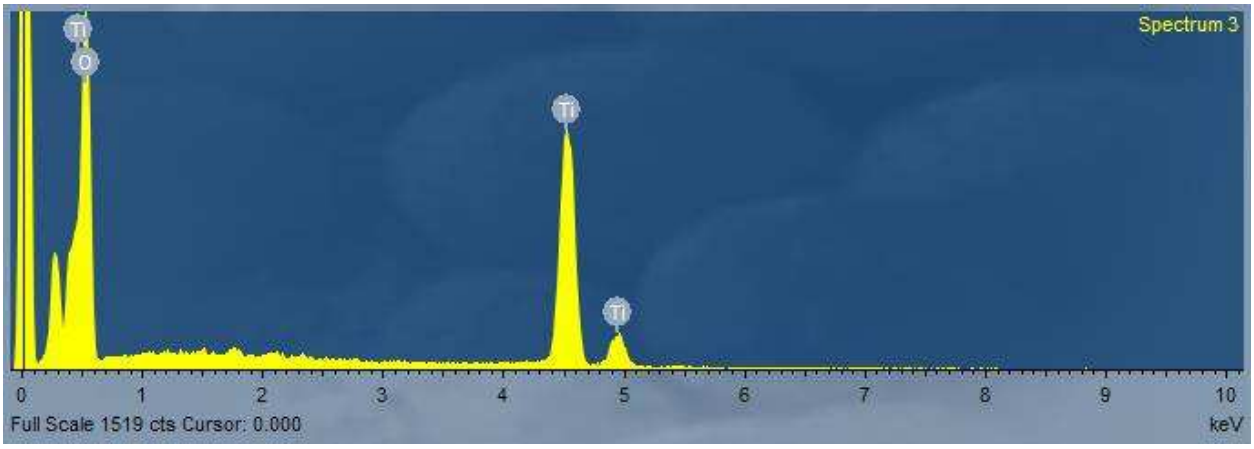
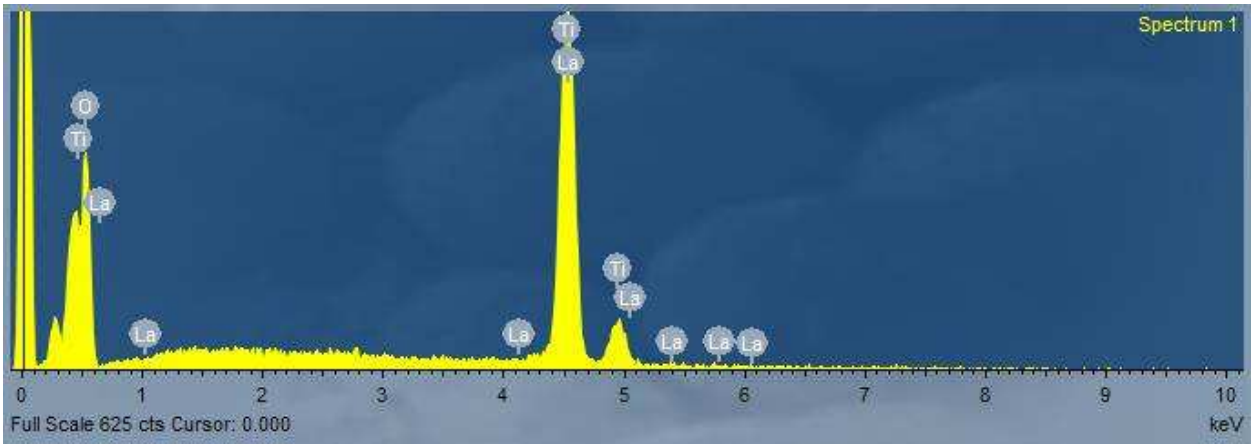


A) Pt-TiO_2



B) La-TiO_2

Figure S1. Energy dispersive X-ray spectroscopy (EDS) for A) Pt(II)-TiO_2 and B) La-TiO_2. The spectrum of Pt(II)-doped TiO_2 showed no apparent signals for elemental Pt, which indicates that Pt ions or Pt metal are not located on or near the surface and that they are well incorporated into TiO_2 lattice. In case of the La-doped TiO_2 material, 0.5 ~ 1.0 wt.% of La was detected; this indicates that La ions are located in the near surface region.